





BTS4000-5V100mA Battery testing system										
Model:	BTS4000-	5	V	100	mA	Battery testing system	SN	CT-4008Q	-5V100mA	-124
Items						Values				
Input AC						AC 220V/110V $\pm$ 10% / 50Hz				
Input power						40	W			
Resolution						AD: 24bit; DA: 24bit				
Input Impedance						$\geq$ 1G $\Omega$				
Voltage	CV output range					10mV~5V				
	Min discharge voltage					-5V				
	Accuracy					$\pm$ 0.01% of FS				
	Stability					$\pm$ 0.02% of FS				
Current	Output range/channel					Range1: 0. 2 $\mu$ A-0.1mA; Range2: 0.1mA-1mA; Range3: 1mA-10mA; Range4: 10mA-100mA				
	Accuracy					$\pm$ 0.01% of FS				
	CV cut-off current					Range1: 0.1 $\mu$ A; Range2: 1 $\mu$ A; Range3: 1 $\mu$ A; Range4: 0.1mA				
	Stability					$\pm$ 0.02% of FS				
Power	Output power/channel					0.5	W			
	Stability					$\pm$ 0.1% of FS				
Time	Current response time					Max rising time:1.5ms				
	Working step time					$\leq$ (365*24)h/step Time format-00: 00: 00.000(h, m, s, ms)				
Data Record	Data record conditions					Min data record interval:10ms				
						Min voltage change: 5mV				
	Min current change: 40mA									
Frequency	100Hz									
	Charge modes					CC、CV、CCCV、CP				
Cut-off condition					Voltage、Current、Time、Capacity、 $-\Delta$ V					
Discharge	Discharge modes					CC、CP、CR				
	Cut-off condition					Voltage、Current、Time、Capacity				
Pulse	Charge					Constant current, Constant power				
	Discharge					Constant current, Constant power				
	Min pulse width					500ms				
	Pulse counts					Up to 32				
	Chg and Dischg switch					Supported				
	Cut-off condition					Voltage、Time				
DCIR					Supported					
CH parallel					Supported, in parallel mode pulse function is disabled					
Cycles	Max cycles					65535				
	Max steps					254				
	Nest					3				

Protection	Safety protection	<ul style="list-style-type: none"> <li>• Power-off data protection</li> <li>• Off-line operation mode</li> </ul>	
		<ul style="list-style-type: none"> <li>• User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc.</li> </ul>	
	Hardware protection	Foolproof protection with hardware protection level IP20	
Channels feature	Independent pairs of closed loop for constant current source and constant voltage source.		
Channels per unit	8		
Channels control mode	Independent control		
Data acquisition method	Kelvin connection		
Noise	<45dB		
Database	MySQL		
Communication	TCP/IP		
Data Export	EXCEL、TXT、CSV、PDF、Plot/Graph		
Harddrive space requirement	500GB		
Leak current	0.005μA		
Operation system	Windows 7/8/10		
Communication port	Ethernet port		
<b>Operation and storage environment requirement</b>			
Items	Values		
Operation environment temperature	0°C~40°C (When the temperature is 25±10°C, the accuracy error caused by temperature change is less than 50ppm /°C)		
Storage environment temperature	-10°C~50°C		
Operation environment humidity	≤70% RH(no moisture condensation)		
Storage environment humidity	≤80% RH(no moisture condensation)		
<b>Clamps and dimensions</b>			
Items	Values		
Tester Picture (Pictures just for reference)			
Clamps pictures (Pictures just for reference)			
Clamps types	Alligator	Polymer	Ring connector
Dimension (W*D*H) (mm)	1U (19" ) , 483.6*321.5*48.5		